



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

re application of

**Bradley J. Aitchison et al.**

Confirmation No. 5483

Application No. 10/660,365

Filed: September 10, 2003

Entitled: **PRECURSOR MATERIAL  
DELIVERY SYSTEM FOR  
ATOMIC LAYER DEPOSITION**

Group Art Unit: 1724

Examiner: Jason M. Greene

**REQUEST TO CORRECT INVENTORSHIP UNDER 37 C.F.R. § 1.48(a)(1) AND  
CONSENT OF ASSIGNEE UNDER 37 C.F.R. § 1.48(a)(5)**

TO THE COMMISSIONER FOR PATENTS:

Planar Systems, Inc., assignee of the patent application identified above, hereby requests and consents to correction of inventorship by adding the following inventor: Tommy Turkulainen. The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

**Planar Systems, Inc.**

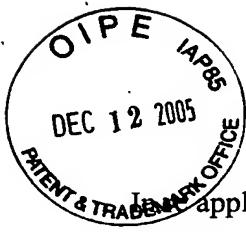
NOV 16, 2005  
Date

By: Steve Buhaly  
Steve Buhaly  
Chief Financial Officer

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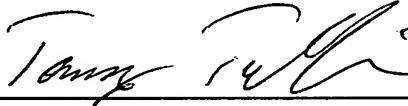
Examiner: Jason M. Greene

**STATEMENT UNDER 37 CFR 1.48(a)(2)**

TO THE COMMISSIONER FOR PATENTS:

Tommy Turkulainen, requests to be added as an inventor in the above-referenced patent application. The full list of inventors should be Bradley J. Aitchison, Jarmo Maula, Hannu Leskinen, Teemu Lang, Pekka Kuosmanen, Kari Härkönen, Martti Sonninen, and Tommy Turkulainen.

The added inventor, Tommy Turkulainen, hereby states that the error in inventorship occurred without deceptive intention on his part.

  
\_\_\_\_\_  
**Tommy Turkulainen**  
Pellavarinne 2 A 6  
02400 Kirkkonummi  
Finland

Date 16.11.2005

STOEL RIVES LLP  
900 SW Fifth Avenue, Suite 2600  
Portland, Oregon 97204-1268  
Telephone: (503) 224-3380  
Facsimile: (503) 220-2480  
Attorney Docket No.: 11429/12:2



Attorney Docket No. 11429/12:2

DECLARATION FOR PATENT APPLICATION

As a below-named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first, and sole inventor (if only one name is listed below) or an original, first, and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled **PRECURSOR MATERIAL DELIVERY SYSTEM FOR ATOMIC LAYER DEPOSITION**, the specification of which

is attached hereto.

was filed on September 10, 2003 as United States Patent Application No. 10/660,365.

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information that is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56.

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional applications(s) listed below:

60/410,067 \_\_\_\_\_ September 11, 2002 \_\_\_\_\_  
(Application Number) (Filing Date)

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below, or § 365(c) of any PCT international application designating the United States of America listed below, and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code § 112, I acknowledge the duty to disclose information that is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 that became available between the filing date of the prior application and the national or PCT international filing date of this application.

10/400,054  
(Application No.)

March 25, 2003  
(Filing Date)

Patented  
(Status--patented,  
pending, abandoned)

Direct all telephone calls to Kassim M. Ferris at (503) 224-3380. Address all correspondence to customer number 3528:

STOEL RIVES LLP  
900 SW Fifth Avenue, Suite 2600  
Portland, Oregon 97204-1268

I understand that execution of this declaration is required by the patent laws and that this document does not create any attorney-client relationship between me and any of the attorneys of Stoel Rives LLP.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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Full name of sole or first inventor: Bradley J. Aitchison

Inventor's signature: Bradley J. Aitchison 11/11/05  
Date

Residence: Eugene, Oregon

Citizenship: United States

Postal Address: 5501 Jeffrey Way, Eugene Oregon 97402

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Full name of second joint inventor, if any: Jarmo Maula

Inventor's signature: \_\_\_\_\_ Date

Residence: Espoo, Finland

Citizenship: Finland

Postal Address: Reunaniitty 3 O, 02200 Espoo, Finland

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10/400,054  
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Full name of sole or first inventor: Bradley J. Aitchison

Inventor's signature: \_\_\_\_\_ Date \_\_\_\_\_

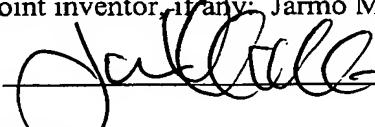
Residence: Eugene, Oregon

Citizenship: United States

Postal Address: 5501 Jeffrey Way, Eugene Oregon 97402

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Full name of second joint inventor, if any: Jarmo Maula

Inventor's signature:  Date 16 Nov 2005

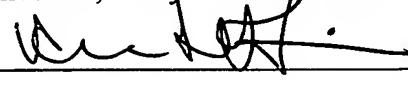
Residence: Espoo, Finland

Citizenship: Finland

Postal Address: Reunaniitty 3 O, 02200 Espoo, Finland

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Full name of third joint inventor, if any: Hannu Leskinen

Inventor's signature: 

16.11.2005

Date

Residence: Espoo, Finland

Citizenship: Finland

Postal Address: Jaakkimantie 24 H 69, 02140 Espoo, Finland

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Full name of fourth joint inventor, if any: Teemu Lang

Inventor's signature: 

16.11.2005

Date

Residence: Helsinki, Finland

Citizenship: Finland

Postal Address: Tarkk'ampujankatu 2 B A11, 00140 Helsinki, Finland

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Full name of fifth joint inventor, if any: Pekka Kuosmanen

Inventor's signature: 

16.11.2005

Date

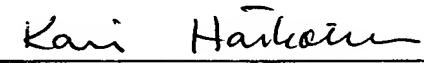
Residence: Espoo, Finland

Citizenship: Finland

Postal Address: Päivänkajontie 8 B 18, 02210 Espoo, Finland

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Full name of sixth joint inventor, if any: Kari Härkönen

Inventor's signature: 

16.11.2005

Date

Residence: Kauniainen, Finland

Citizenship: Finland

Postal Address: Asematie 27 A, 02700 Kauniainen, Finland

Full name of seventh joint inventor, if any: Martti Sonninen

Inventor's signature: Martti 27.11.2005  
Date

Residence: Espoo, Finland

Citizenship: Finland

Postal Address: Järvikorpi 12, 02360 Espoo, Finland

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Full name of eighth joint inventor, if any: Tommy Turkulainen

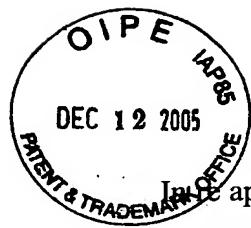
Inventor's signature: Tommy Turkulainen 16.11.2005  
Date

Residence: Kirkkonummi, Finland

Citizenship: Finland

Postal Address: Pellavarinne 2 A 6, 02400 Kirkkonummi, Finland

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of

Bradley J. Aitchison et al.

Application No. 10/660,365

Filed: September 10, 2003

For: **PRECURSOR MATERIAL  
DELIVERY SYSTEM FOR ATOMIC  
LAYER DEPOSITION**

Group Art Unit: 1723

Examiner: Jason M. Greene

Date: December 8, 2005

Confirmation No. 5483

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to:

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

December 8, 2005

Date

Signature

Linda Stuwe

Typed Name

TRANSMITTAL LETTER

TO THE COMMISSIONER FOR PATENTS:

Enclosed for filing in the above-referenced application are the following:

- Fee Transmittal
- Request to Correct Inventorship Under 37 CFR § 1.48(a)(1) and Consent of Assignee Under 37 CFR § 1.48(a)(5)
- Statement Under 37 CFR 1.48(a)(2)
- Declaration for Patent Application
- Check for \$130.00
- Return-receipt postcard

The Commissioner is hereby authorized to charge any additional fees which may be required in connection with filing of these papers, or credit overpayment, to Account No. 19-4455.

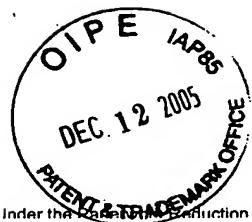
Respectfully submitted,

**PLANAR SYSTEMS, INC.**

By

  
Kassim M. Ferris  
Registration No. 39.974

STOEL RIVES LLP  
900 SW Fifth Avenue, Suite 2600  
Portland, OR 97204-1268  
Telephone: (503) 224-3380  
Facsimile: (503) 220-2480  
Attorney Docket No. 11429/12:2



Under the American Inventor Protection Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PTO/SB/17 (12-04v2)

Approved for use through 07/31/2006. OMB 0651-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Effective on 12/08/2004.

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

## FEE TRANSMITTAL For FY 2005

Applicant claims small entity status. See 37 CFR 1.27

**TOTAL AMOUNT OF PAYMENT** (\$)

130.00

### Complete if Known

Application Number	10/660,365
Filing Date	September 10, 2003
First Named Inventor	Bradley J. Aitchison
Examiner Name	Jason M. Greene
Art Unit	1723
Attorney Docket No.	11429/12:2

### METHOD OF PAYMENT (check all that apply)

Check  Credit Card  Money Order  None  Other (please identify): \_\_\_\_\_

Deposit Account Deposit Account Number: 19-4455 Deposit Account Name: Stoel Rives LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

Charge fee(s) indicated below  Charge fee(s) indicated below, except for the filing fee

Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17  Credit any overpayments

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

### FEE CALCULATION

#### 1. BASIC FILING, SEARCH, AND EXAMINATION FEES

<u>Application Type</u>	<u>FILING FEES</u>		<u>SEARCH FEES</u>		<u>EXAMINATION FEES</u>		<u>Fees Paid (\$)</u>
	<u>Fee (\$)</u>	<u>Small Entity</u> <u>Fee (\$)</u>	<u>Fee (\$)</u>	<u>Small Entity</u> <u>Fee (\$)</u>	<u>Fee (\$)</u>	<u>Small Entity</u> <u>Fee (\$)</u>	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

#### 2. EXCESS CLAIM FEES

##### Fee Description

Each claim over 20 (including Reissues)

Each independent claim over 3 (including Reissues)

Multiple dependent claims

<u>Total Claims</u>	<u>Extra Claims</u>	<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>	<u>Multiple Dependent Claims</u>	<u>Small Entity</u> <u>Fee (\$)</u>	
	- 20 or HP =	x	=		Fee (\$)	Fee Paid (\$)
HP = highest number of total claims paid for, if greater than 20.					50	25
<u>Indep. Claims</u>	<u>Extra Claims</u>	<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>		200	100

- 3 or HP = Extra Claims x Fee (\$) = Fee Paid (\$)

HP = highest number of independent claims paid for, if greater than 3.

#### 3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

<u>Total Sheets</u>	<u>Extra Sheets</u>	<u>Number of each additional 50 or fraction thereof</u>	<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>
- 100 =		/ 50 = (round up to a whole number) x	=	

#### 4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): Processing fee under 37 CFR 1.17(i) 130.00

### SUBMITTED BY

Signature		Registration No. (Attorney/Agent) 39,974	Telephone 503-224-3380
Name (Print/Type)	Kassim M. Ferris		Date December 8, 2005

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.